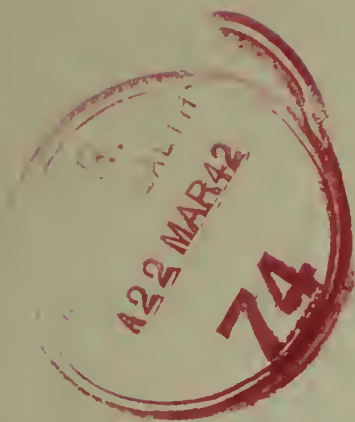


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STOCKTON-ON-TEES CORPORATION.

R E P O R T

OF THE

MEDICAL OFFICER OF HEALTH

TO THE

TOWN COUNCIL FOR THE YEAR 1940.

J. LANDON.
M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health:
Medical Superintendent of Isolation Hospital:
School Medical Officer.

REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1940

TO THE TOWN COUNCIL OF THE BOROUGH OF STOCKTON-ON-TES.

Mr. Mayor, Madam and Gentlemen,

I have the honour to submit my Annual Report as Medical Officer of Health, for the year 1940. This is an interim report, mainly statistical in character.

The civilian population, which is estimated by the Registrar General at the middle of the year, shows a considerable reduction on the population of 1939, the figures being 65,890 and 67,270 respectively.

The birth-rate has been maintained at the comparatively high figure of 18.77 per 1,000 of population, and the death-rate has risen from 12.87 to 14.34 per 1,000 of population. The infantile mortality rate also shows an increase, from 68 to 77 per 1,000 live births, but fortunately the maternal death-rate is again very low, only three deaths being registered as due to these causes during the year.

There are no signs of any deterioration in the general health of the population during the year, in spite of the many adverse factors, unavoidable in war-time, which may be considered conducive to a lower standard of health than obtained prior to 1938.

I have the honour to remain,
Your obedient servant,

John Landon

Medical Officer of Health.

Health Department,
11, Finkle Street,
STOCKTON-ON-TES.

24th December, 1941.

STATISTICS

The civil population of the Borough as estimated by the Registrar General at the middle of the year 1940 is 65,890. This is a reduction of 1,380 on the figure for 1939.

<u>Births</u>		<u>1940</u>	<u>1939</u>
Males	616		
Females	621		

	1237	Rate..... 18.77	18.44

Stillbirths

Number..... 48	Rate per 1000		
	total births	37.35	44.65

Deaths

Males	533		
Females	412		

	945	Rate..... 14.34	12.87

Infantile Mortality

No. of	Rate per		
deaths under	1000		
one year...95	live		
	births	77	68

Deaths from Puerperal Causes

No. of	Rate		
deaths..... 3	per 1000		
	total		
	births	2.33	3.2

SANITARY CIRCUMSTANCES OF THE AREA

Water. The Borough is supplied with water by the Tees Valley Water Board. Two samples of this water were taken during the year 1940 and sent for bacteriological examination. The water was certified, in each case, to be highly satisfactory.

Closet Accommodation. All the houses in the town, with the exception of a few on the outskirts, are now on the water carriage system.

Number and Nature of Inspections made by the Sanitary Inspectors during the year 1940.

Investigations made in respect of notifiable disease.....	1366
Premises disinfested re infectious disease..	445
Premises disinfested re vermin.....	118
Number of re-visits where cases are isolated at home.....	73

Number and Nature of Inspections made by the
Sanitary Inspectors during the year 1940.
(Continued)

Inspections following complaints.....	352
" under the Housing etc. Acts.....	63
" Public Health Acts.....	402
" of Offensive Trades.....	114
" of Factories.....	105
" of Factories without mechanical..	
power.....	269
" of Bakehouses.....	137
" of Cowsheds.....	66
" of Dairies & Milkshops.....	145
" of Stables.....	25
" of Slaughterhouses.....	1701
" of Markets & Shops.....	371
" Common Lodging Houses.....	51
" Ice Cream Shops.....	21
" Fried Fish Shops.....	42
" of Hairdressers Premises.....	174
" with regard to Outstanding	
Notices.....	1061
Miscellaneous Inspections.....	442
Visits to Small Pox Contacts.....	-
Samples taken for Analysis.....	42
Samples taken for Bacteriological Examination	26
Visits to Houses-Let-in-Lodgings.....	73
" " Caravans.....	25
" " Warehouses (for rats).....	20

MEAT INSPECTION

Of the twenty-two private slaughterhouses in the Borough only two are at present being used under the control of the Ministry of Food. The carcasses of all animals slaughtered are examined by the Sanitary Inspectors.

The following table shows the number of animals killed and inspected during the year 1940.

<u>Animals</u>	<u>Number killed</u>	<u>Number inspected</u>	<u>Percentage inspected</u>
Cattle	5527	5527	100 %
Sheep	27317	27317	100 %
Pigs	6166	6166	100 %
<hr/>			
Total	39010	39010	100 %

The following table shows the meat and other foods condemned during the year:-

	<u>Carcase & Organs</u>	<u>Part Carcase or Organs</u>
Beast	40	1568
Pigs	8	666
Sheep	44	1049
<hr/>		<hr/>
Total	92	3283
<hr/>		<hr/>

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF PHYSICS

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1900-1901
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104 tins of fruit, 40 tins fish, 2 tins Galantine, 72 tins meat, 79 tins peas, 8 tins beans, 29 tins tomatoes, 4 cwt. 98 lbs. bacon, 1 tin paste, 5 bottles pickles, 1 jar jam, 75 lbs. beef, 11 jellies, 1 tin carrots, 1 tin soup, 2 pkts. cocoa, 5 stones 7 lbs. fish, 30 bags cauliflowers, 4 tons oranges, 30 bags pears.

Food & Drugs. During the year 1940, 46 samples were taken and forwarded to the Public Analyst for analysis. These samples were:-

New Milk.....	27
Grape Fruit Curd.....	1
Beef Sausage.....	2
Demerara Sugar.....	1
Yeast.....	1
Lard.....	1
Lardex.....	1
Butter.....	3
Margarine.....	4
Cooking Fat.....	2
Cheese.....	1
Tomato Paste.....	1
Flour.....	1

Two samples of milk were found to be deficient in fat content. In one case, where the deficiency was to the extent of 23.4%, proceedings were taken against the vendor who was fined 20/-. In the other case, where the deficiency was slight the vendor was warned. Five other samples of milk were certified to be below standard but the freezing point was that of genuine new milk. All the other samples were certified to be of genuine quality.

INFECTIOUS DISEASES

The number of notifications of infectious diseases received was 784, compared with 460 during the previous year.

	<u>1940</u>	<u>1939</u>
Scarlet Fever.....	138	75
Diphtheria.....	89	129
Paratyphoid.....	2	-
Puerperal Pyrexia.....	7	16
Pneumonia.....	163	162
Cerebro Spinal Fever.....	10	1
Erysipelas.....	51	50
Ophthalmia Neonatorum.....	8	9
Poliomyelitis.....	1	2
Encephalitis Lethargica.....	-	1
Whooping Cough.....	191	11
Measles.....	124	4
	<hr/>	<hr/>
	784	460
	<hr/>	<hr/>

The increase in the number of cases of infectious disease is largely accounted for by the increase in the number of notifications of Measles and Whooping Cough. These diseases were only compulsorily notifiable during the last quarter of 1939, and therefore the figures are not comparable.

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Although the number of notifications of Scarlet Fever were nearly double those received during the previous year, the figure is still below the average. Fortunately there were no deaths from the disease during the year.

The number of notifications of Diphtheria showed a reduction of 40 during the year. There were four deaths from the disease, the same as the figure for 1939.

CASES ADMITTED TO THE STOCKTON ISOLATION
HOSPITAL DURING THE YEAR 1940

Disease	Stockton Borough	Billing- ham U.D.C.	Stockton Services R.D.C.	Total	
Diphtheria	109	20	4	5	138
Scarlet Fever	146	69	5	16	236
Meningitis	13	3	1	3	20
Paratyphoid	2	-	-	-	2
Rubella	1	-	-	10	11
Chickenpox	1	-	-	5	6
Erysipelas	4	-	-	1	5
Ophthalmia					
Neonatorum	1	-	-	-	1
Enteritis	1	-	-	-	1
Measles	-	-	-	8	8
Whooping Cough	3	-	-	-	3
Septic Infection	1	-	-	-	1
Streptococcal					
Inf.	-	-	-	1	1
Mumps	-	-	-	1	1
Vaccination	-	-	-	1	1
Influenza	-	-	-	1	1
Pneumonia	-	-	-	1	1
Totals	282	92	10	53	437

DEATHS AT THE ISOLATION HOSPITAL
DURING THE YEAR 1940

Diphtheria.....	4
Meningitis.....	3
	7
	7

As will be seen from the above table, the Isolation Hospital, in addition to its normal functions, served a useful purpose during the year in providing accommodation and treatment for 53 cases of infectious conditions of one kind or another occurring among men serving with the forces in this district.

TUBERCULOSIS

During the year 1940, 105 notifications of Tuberculosis were received and four cases were brought

to the notice of the Department otherwise than by notification. Of these cases 79 were pulmonary and 30 non-pulmonary tuberculosis. During the same period 194 cases - 122 of pulmonary, and 72 of non-pulmonary tuberculosis - were removed from the register of notifications by reason of death, removal, recovery, etc.

The number of deaths registered from the disease during the year was 57, 49 being from tuberculosis of the respiratory system, and 8 from other forms of the disease.

The number of notifications received is slightly lower and the number of deaths slightly higher than the figures for the previous year.

MATERNITY & CHILD WELFARE.

There has been no important change in the arrangements for Maternity and Child Welfare during the year.

The number of attendances made at the Child Welfare Centres during the year was 21,555, a reduction of 3,709 on last year's figure.

The average attendances for each of the Child Welfare Centres, compared with the corresponding figures for 1939 are as follows:-

		<u>1940</u>	<u>1939.</u>
No	1	53.9	74.1
"	2	67.2	79.4
"	3	61.8	75.6
"	4	65.4	85.7
"	5	72.9	68.2
"	6	50.2	61.2
Average for all Centres.		<u>62.6</u>	<u>74.7</u>

During the year, 327 children under 1 year of age and 142 children between 1 and 5 attended at the centres for the first time. The primary attendances of infants under 1 year of age who attended at the Centres represents 66% of the live births notified.

In the same period 341 expectant mothers made 1427 attendances at the ante-natal centres, a decrease of 20 and 400 respectively on the figures for 1939. The number of women attending the centres represents 27.5% of the total births notified during the year. These figures would, however, be practically doubled if the cases receiving ante-natal care at the Robson Maternity Home were included. The average attendances per session at the two ante-natal centres for the year were as follows:-

	<u>1940</u>	<u>1939</u>
No. 1	21.9	28.1
No. 2	11.0	17.3
Average for the two Centres	<u>18.5</u>	<u>24.4</u>

The following defects were found at the ante-natal centres during the year:-

Anaemia	62
Dental Sepsis.....	68
Albuminuria.....	3
Varicose Veins.....	20
Vomiting.....	16
Tuberculosis.....	2

The number of home visits paid by Health Visitors was 12,810, being a reduction of 1351 on the figure for 1939. These visits were made up as follows:-

To Infants under 1 year...(First visits	1075
(Total "	4098
To Children under 5 years	8377
To Expectant Mothers..... (First visits	150
(Total "	335

A total of 11,885 lbs. of dried milk and 1846 pints of fluid milk were distributed from the Centres during the year. In addition cod liver oil and other vitamin preparations were supplied either at cost price or free of charge.

SUPERVISION OF MIDWIVES.

At the end of the year there were 16 midwives practising in the Borough. This figure is made up as follows:-

Municipal domiciliary midwives.....	8
Domiciliary midwives in private practice.....	3
Midwives in Institutions:-	
Robson Maternity Home ..	4
Private nursing Home	1

During the year 806 Domiciliary Cases were attended by these Midwives, 646 as Midwives and 160 as Maternity Nurses. The total number of cases attended in Institutions amounted to 418 - 293 as Midwives and 125 as Maternity Nurses. Medical Aid was summoned by a midwife in 367 cases.

Municipal Midwives. Eight Midwives employed by the Corporation attended 593 confinements and 41 abortions during the year. Of the 593 confinements 491 were attended as midwives and 102 as Maternity Nurses; 500 being normal deliveries and 93 instrumental.

Robson Maternity Home. 347 cases were admitted to the Robson Maternity Home; 289 of these were delivered by the staff midwives and 58 by doctors. 26 infant deaths (11 stillborn and 15 within ten days of birth) occurred in the Home during the year.

INFANTILE MORTALITY.

During the year 95 deaths of infants under one year of age were registered, an increase of twelve on the figure for 1939. Of these deaths 38 occurred at ages under one week, 19 between one week and one month, and 38 between 1 month and 1 year.

MATERNAL MORTALITY.

Three maternal deaths were registered during the year. This is a decrease of one on the figure for the previous year. One death was from puerperal sepsis and two from other causes. Four other deaths occurred from causes associated with pregnancy and parturition.

	<u>1940</u>	<u>1939.</u>
Maternal mortality rate per 1000 total births... ..	2.33	3.2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BOROUGH OF STOCKTON-ON-TES

CAUSES OF DEATHS, 1940

CAUSE OF DEATH	Total	Males	Females
All Causes	869	445	424
1. Typhoid & Paratyphoid fevers	-	-	-
2. Cerebro-spinal fever	2	1	1
3. Scarlet Fever	-	-	-
4. Whooping Cough	2	1	1
5. Diphtheria	4	3	1
6. Tuberculosis of Respiratory system	49	23	26
7. Other forms of Tuberculosis	8	8	-
8. Syphilitic diseases	5	3	2
9. Influenza	23	14	9
10. Measles	-	-	-
11. Acute poliomyelitis and polioencephalitis	-	-	-
12. Acute infectious encephalitis	2	1	1
13. Cancer of buccal cavity and oesophagus (males only)			
uterus (females)	20	11	9
14. Cancer of stomach and duodenum	20	9	11
15. Cancer of breast	9	-	9
16. Cancer of all other sites	50	31	19
17. Diabetes	3	1	2
18. Intra-cranial vascular Lesions	79	45	34
19. Heart disease	190	97	93
20. Other diseases of the circulatory system	14	7	7
21. Bronchitis	96	55	41
22. Pneumonia	48	26	22
23. Other respiratory diseases	14	7	7
24. Ulcer of stomach or duodenum	9	8	1
25. Diarrhoea under 2 years	10	6	4
26. Appendicitis	6	4	2
27. Other digestive diseases	18	9	9
28. Nephritis	44	21	23
29. Puerperal and post-abortive sepsis	1	-	1
30. Other maternal causes	2	-	2
31. Premature Birth	28	15	13
32. Congenital malformations, birth injury, infantile disease	28	15	13
33. Suicide	10	7	3
34. Road traffic accidents	15	14	1
35. Other violent causes	35	27	8
36. All other causes	101	64	37
Live Births:-			
Total	1237	616	621
Legitimate	1178	590	588
Illegitimate	59	26	33
Still Births - Total			
Legitimate	48	30	15
Illegitimate	46	29	17
	2	1	1
Deaths of Infants under 1 year -			
Total	95	50	45
Legitimate	91	46	45
Illegitimate	4	4	-

Birth-rates, Civilian Death-rates, Analysis of Mortality, Maternal Mortality and Case rates for certain infectious diseases in the year 1940. Provisional figures based on weekly and quarterly returns.

	Eng- land and Wales	126 C.Bs & Great Towns including London	148 Smaller Towns Resident pop. 25,000 - 50,000 at 1931 Census	S/ten
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Rates per 1,000 Civilian Population:-

Live Births	14.6	16.0	15.7	18.77
Still "	0.55	0.64	0.55	0.72
Deaths:-				
All causes	14.3	15.8	12.8	14.34
Typhoid and Paratyphoid	0.00	0.00	0.00	-
Scarlet Fever	0.00	0.00	0.00	-
Whooping Cough	0.02	0.02	0.02	0.03
Diphtheria	0.06	0.07	0.05	0.06
Influenza	0.32	0.29	0.30	0.35
Smallpox	-	-	-	-
Measles	0.02	0.02	0.02	-

Rates per 1,000 Live Births:-

Deaths under 1 year of age	55	61	54	77
Deaths from Diarrhoea and Enteritis under 2 years of age	4.6	5.9	4.4	0.15

A dash (-) signifies that there were no deaths.

Notifications.

Enteric	0.07	0.06	0.10	0.03
Cerebro Spinal Fever	0.32	0.33	0.29	0.15
Scarlet Fever	1.63	1.53	1.57	2.09
Whooping Cough	1.34	1.29	1.35	2.89
Diphtheria	1.16	1.29	1.21	1.35
Erysipelas	0.33	0.36	0.30	0.77
Smallpox	0.00	-	-	-
Measles	10.24	9.23	9.99	1.88
Pneumonia	1.20	1.37	1.00	2.47

Rates per 1,000 total Births (Live and Still)

Maternal Mortality:- (Excluding Abortion)

Puerperal Infection (No.147)	0.52)			.77
Others	1.64)	Not available		1.56
Total	2.16)			2.33

Notifications.

Puerperal Fever) " Pyrexia)	11.96	13.90	9.73	5.44
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